

Substitute for form 1001 PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: January 7, 2005 (use as many sheets as necessary)		Application Number	10/624,194		
		Filing Date	07/21/2003		
		First Named Inventor	Gregory Steintal		
		Group Art Unit	2632 2636		
		Examiner Name	Unassigned CROSLAND		
Sheet	1	of	1	Attorney Docket Number	041358-0283

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
100	B1	6,560,471	B1	HELLER et al.	05-06-2003	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

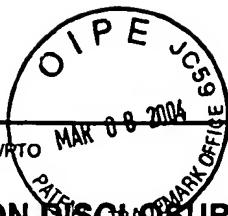
NON PATENT LITERATURE DOCUMENTS				
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Examiner Signature	CROSLAND	Date Considered	3-27-05
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08A (08-03)

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		Application Number	10/624,194		
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		First Named Inventor	Steinthal, Gregory		
		Art Unit	2832 2636		
		Examiner Name	not yet assigned CROSLAND		
Sheet	1	of		Attorney Docket Number	018564-007810US

U.S. PATENT DOCUMENTS+						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
pk	1	US-60477,624		n/a	Sunshine	Atty. Docket No.: 018564-007600US
	2	US-4,453,126 A		06-1984	Volgyesi	
	3	US-4,644,101 A		02-1987	Jin et al.	
	4	US-4,737,112 A		04-1988	Jin et al.	
	5	US-4,923,739 A		05-1990	Jin et al.	
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	7	US-5,104,210 A		04-1992	Tokas	
	8	US-5,200,334		04-1993	Dunn et al.	
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	13	US-5,512,882 A		04-1996	Stetter et al.	
	14	US-5,571,401 A		11-1996	Lewis et al.	
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	18	US-6,085,576		07-11-2000	Sunshine et al.	Atty. Docket No.: 018564-003230US
	19	US-6,192,351 B1		05-20-2001	Persaud	
	20	US-6,236,951 B1		05-22-2001	Payne et al.	
	21	US-6,336,936 B1		01-08-2002	Simhambhatla et al.	
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pk	24	US-2003-0186461-A1		10-02-2003	Boehr et al.	Atty. Docket No.: 018564-007600US

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ^o
		Country Code ³	Number ⁴	Kind Code ⁵ (If Known)				
OK	25 ✓	WO	00/79243	A1	12-28-2000	Cyrano Sciences, Inc.		<input type="checkbox"/>
OK	26 ✓	WO	97/14958	A1	04-24-1997	Aromascan PLC		<input type="checkbox"/>
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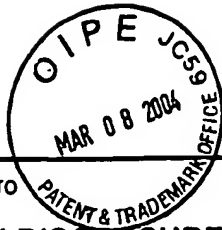
Substitute for form 1449B/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/624,194	
			Filing Date	July 21, 2003	
			First Named Inventor	Steinthal, Gregory	
			Art Unit	2632-2636	
			Examiner Name	not yet assigned CROSLAND	
Sheet	2	of		Attorney Docket Number	018564-007810US

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De	27	"BAE Systems - JCAD Chemsentry@ Point Chemical Vapor Detector"; published on the Internet: http://www.airforce-technology.com/contractors/nbc/bae2/ ; 7-2003		
	28	"Joint Services Lightweight Standoff Chemical Agent Detector (JSLSCAD)"; published on the Internet: http://www.globalsecurity.org/military/systems/ground/jslsacd.htm ; (Last modif. Jan. 31, 2003)		
	29	AVNIR, D. et al.: "Enzymes and other proteins entrapped in sol-gel materials" <i>Chem. Mater.</i> ; Vol. 6, pp. 1605-1614 (1994)		
	30	CHEN, Q. et al.: "Stability of oxidases immobilized in silica gels" <i>J. Am. Chem. Soc.</i> ; Vol. 120, pp. 4582-4585 (1998)		
	31	DAVE, B.C. et al.: "Photochemical studies using organic-inorganic sol-gel materials" <i>Mat. Res. Soc. Symp. Proc.</i> ; Vol. 435, pp. 565-574 (1996)		
	32	DIAS, M. B.: "Investigating the viability of MEMS vapor sensors for detecting land mines" <i>CMU-RI-TR-00-24</i> ; The Robotics Institute, Carnegie Mellon University, Pittsburgh, PA; October 2000		
	33	DUTTA, R. et al.: "Bacteria classification using Cyranose 320 electronic nose" <i>Biomed. Engin. OnLine</i> ; Vol. 1, No. 4; published on the Internet: http://www.biomedical-engineering-online.com/content/1/1/4 ; (Oct. 16, 2002)		
	34	JEREMIC, A. and A. NEHORAI: "Landmine detection and localization using chemical sensor array processing" <i>IEEE Trans. Signal Proc.</i> ; Vol. 48, No. 5; May 2000		
	35	KELLER, et al.: "Electronic noses and their applications" <i>IEEE Northcon/Techn. Appln. Conf.</i> ; Portland OR; October 12, 1995		
	36	KELLER, P. E. et al.: "Three neural network based sensor systems for environmental monitoring" <i>IEEE Electro@94 Int'l Conf.</i> , Boston, MA; Paper No. PNL-SA-24175 (May 10-12, 1994)		
	37	LACEY, R. E. and G. S. OSBORN: "Application of electronic noses in measuring biological systems" <i>ASAE Meeting Presentation at the 1998 ASAE Annual Int'l Meeting</i> , Orlando, FL; Paper No. 98/6116 (July 12-15, 1998)		
	38	LAN, E.H. et al.: "HEME proteins encapsulated in sol-gel derived silica glasses and their reactions with ligands" <i>Mat. Res. Soc. Symp. Proc.</i> ; Vol. 330, pp. 289-294 (1994)		
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Examiner Signature	CROSLAND, D. C.	Date Considered	3-27-05
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De	43	POPE, E.J.A. et al.: "Bioartificial organs I: Silica gel encapsulated pancreatic islets for the treatment of diabetes mellitus" <u>J. Sol-Gel Sci. Technol.</u> ; Vol. 8, pp. 635-639 (1997)	—
	44	ROSCH, W.: "Nosing out terrorism" <u>Extremetech.com</u> , published on the Internet: http://www.extremetech.com/print_article/0_3998_a=16730_00.asp ; (Oct. 18, 2001)	—
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De	48	YAMANAKA, S.A. et al.: "Enzymatic activity of oxalate oxidase and kinetic measurements by optical methods in transparent sol-gel monoliths" <u>J. Sol-Gel Sci. Technol.</u> ; Vol. 7, pp. 117-121 (1996)	—

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